ABSTRACT OF THE DISCLOSURE

A method is provided for the adaptive pre-distortion of digital raw data values for a communication appliance output stage having a power amplifier, the method including the following steps: a) the raw data values (V_m) are pre-distorted by multiplying the raw data values by pre-distortion values from a lookup table (2) containing an association between amplitudes of the raw data values and pre-distortion values; b) output signal values (V_r) of the power amplifier (6) are redirected to an adaptation unit (9); d) temporally corresponding raw data values and output signal values are compared in the adaptation unit in order to assess the distortions of the power amplifier (6); and e) the lookup table (2) is adapted on the basis of results of step d). The present invention seeks to dispense with computing power required to adapt pre-distortion values. To this end, the adaptation unit (9) functions discontinuously and the pre-distortion values of the lookup table (2) are interpolated/extrapolated at least for non-occurring raw data values (V_m). A device is also provided for carrying out the inventive method.